

## DMR132VLM User's Manual

**Perstel**  
DMR132VLM

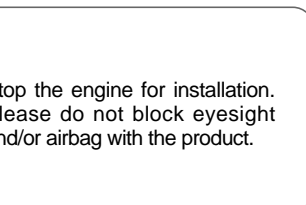
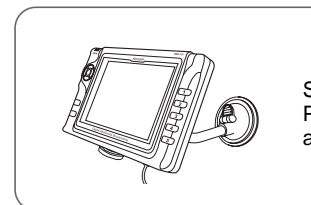
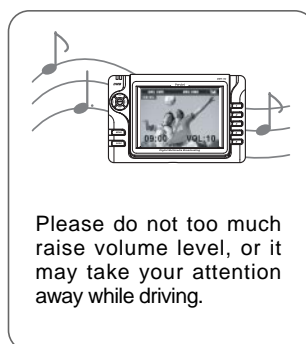
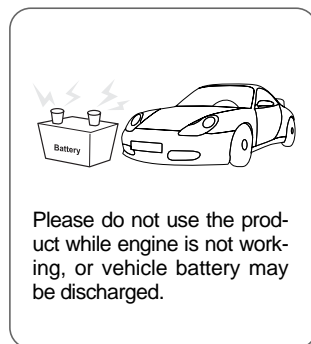
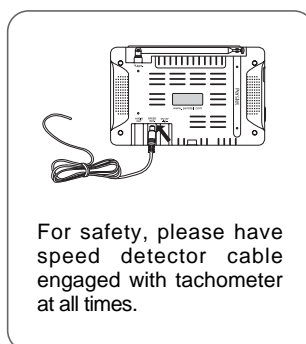
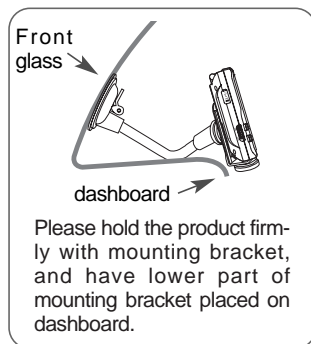


## T-DMB Receiver

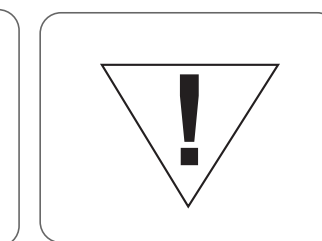
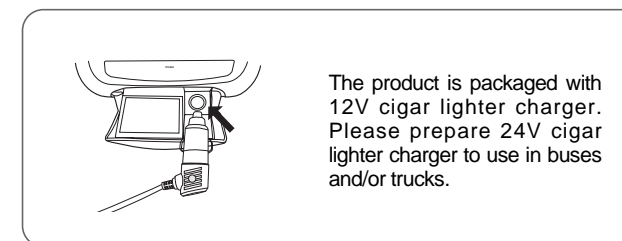
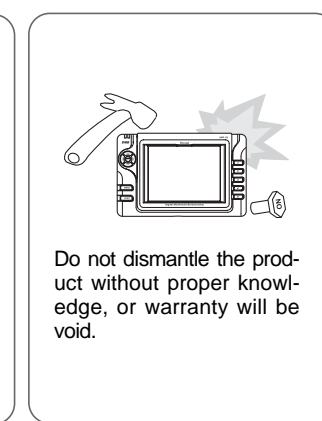
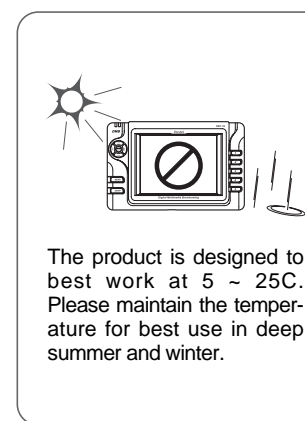
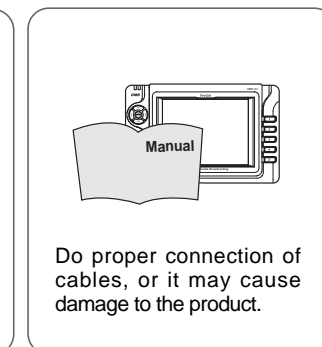
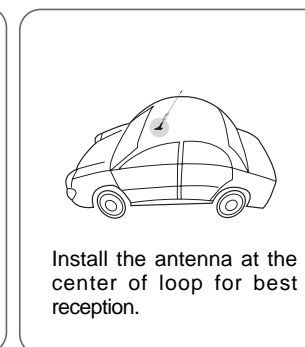
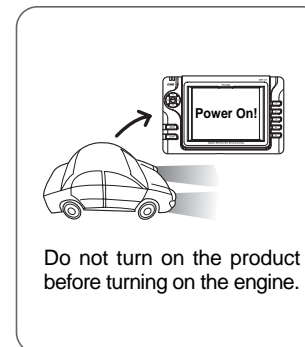
Thanks for purchase of Perstel DMB Receiver.  
Please read User's Manual before use.

Please read this User's Manual carefully for safe and convenient drive. Manufacturer is not responsible for material, mental and/or physical damages when safety precautions stated herein are not kept.

### Safety precautions



### Safety precautions



### Intellectual Property Rights

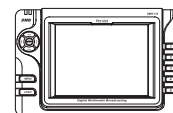
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### Legal disclaimer

- Manufacturer, importer, or distributor is not liable for any contingent damage caused by misuse of the product.
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### Package contents



DMR132VLM



Remote controller



User's manual



Speed detector cable



12V cigar lighter charger



Mounting bracket



Antenna set

### Optional accessories

These accessories are sold separately.



Wall adapter  
(indoor 12V)



On-dash mounter



Rod antenna



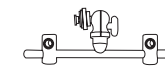
24V cigar lighter charger



Car pack audio connector



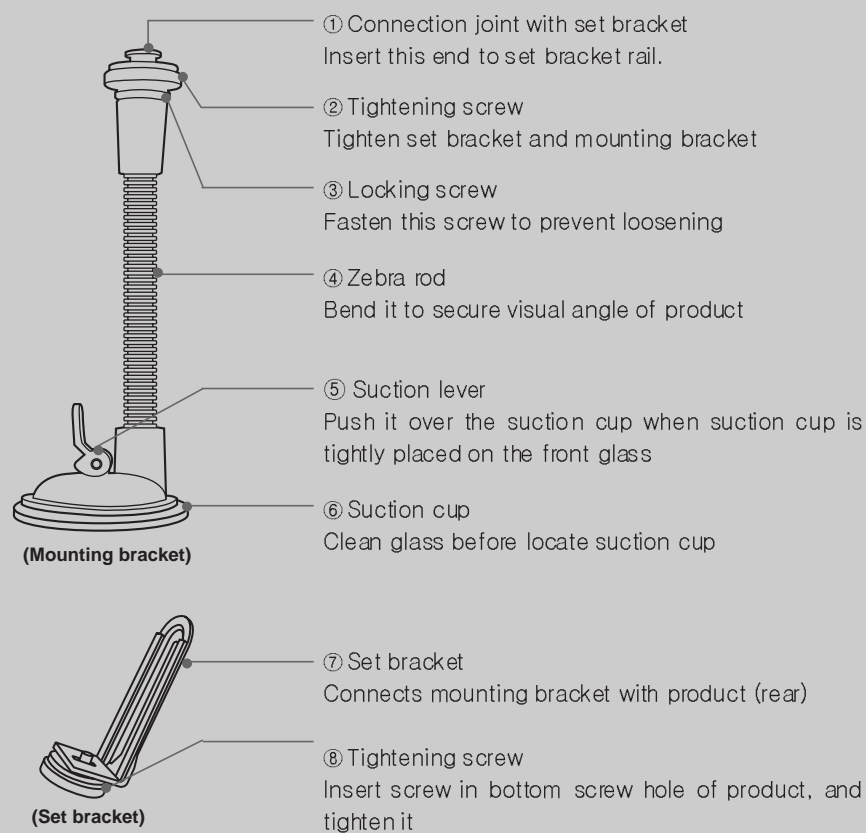
Indoor antenna cable & connector



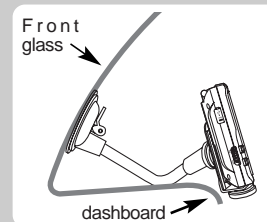
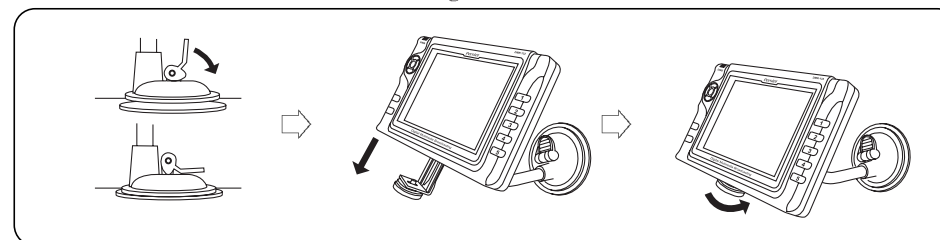
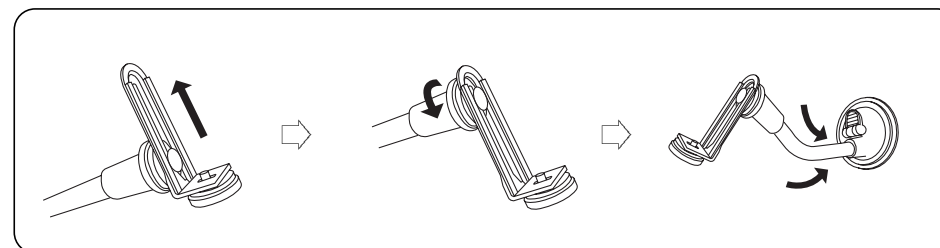
Headrest mounter

## Product installation

- ※ For safety reasons, it is highly recommended to consult installation work with local installation shops or dealers. Installation work may be different by car type.
- ※ For safety reasons, please have speed detector cable engaged with tachometer at all times.
- ※ For safety reasons, please turn off the engine for the entire installation procedure.

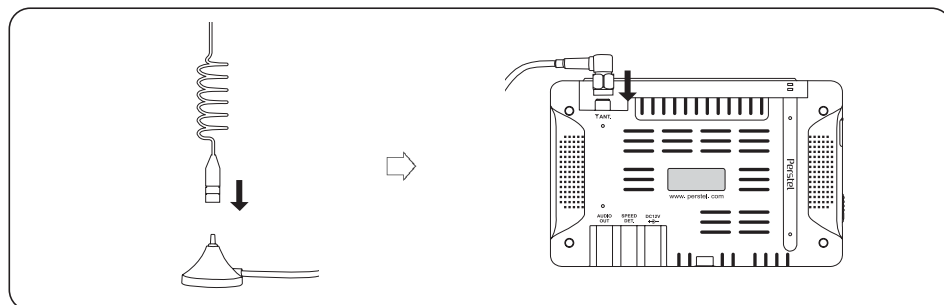


## 1. Product installation



- ※ For installation in deep winter, the suction cup may become too hard to use. Place it under hot air blow to make it soft before installation.
- ※ DMR132 may too much shake while driving if it hangs high in the air. Adjust height of suction cup, and bend zebra rod to have lower part supported with vehicle dash board.

## 2. Antenna mounting

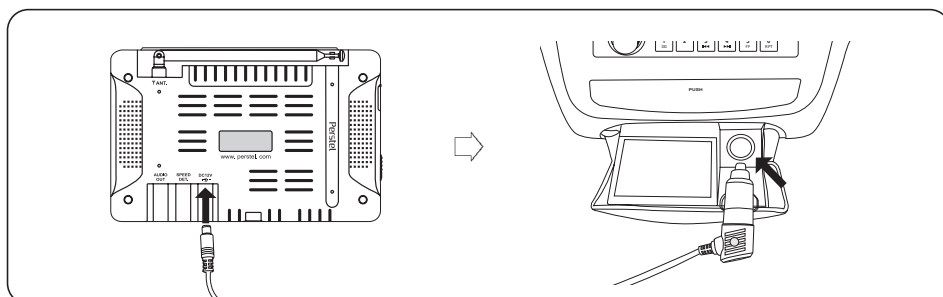


Insert antenna in magnet base and screw it tight.

Screw in antenna cable with antenna connector.

- ※ For best reception, place antenna on the loop using magnet base.
- ※ For best performance, fasten antenna connector tight.
- ※ It is recommended to wrap cables with waterproof tapes.
- ※ Organize excessive cables with cable holders.

## 3. Power connection

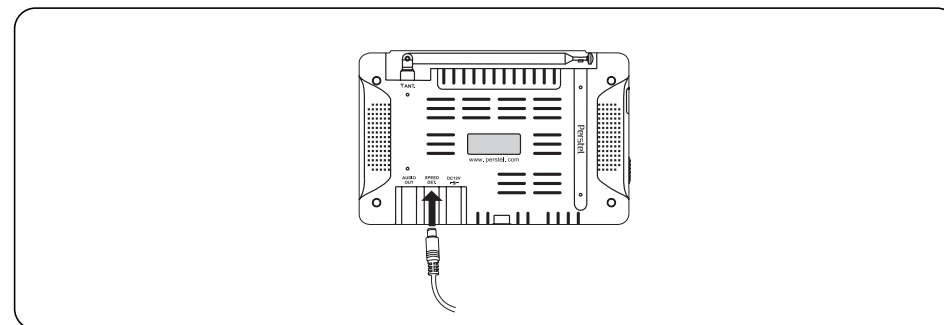


Plug in power cable to the DC IN port, and plug in cigar lighter charger to the socket.

- ※ Please consult with mechanic when connecting power directly from vehicle.
- ※ Please be sure to clean dusty from cigar lighter charger socket.

## 4. Speed detector connection

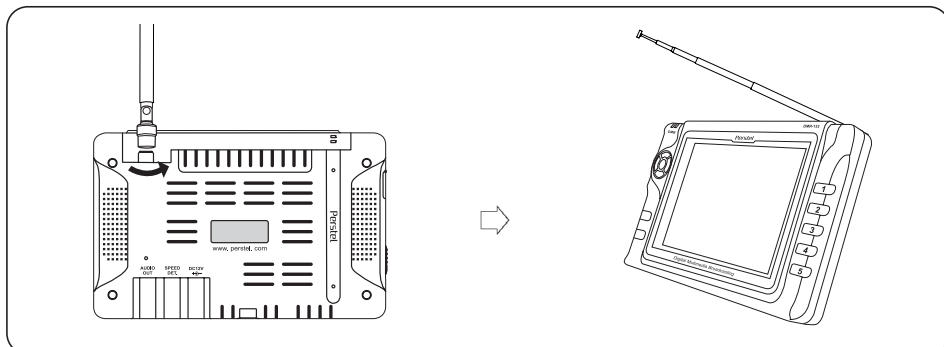
Speed detector is a mandatory device to secure drivers' safety while driving. Speed detector detects vehicle speed and automatically shut off display screen when vehicle is moving (audio remains alive). Connection may vary depending on vehicle type, so please consult with mechanic for speed detector connection.



- ※ Plug in one end of speed detector cable to SPEED DET port. And, connect another end of speed detector cable to vehicle's speed pulse signal line. Display screen will be shut off when vehicle is moving.
- ※ Please consult with local mechanic since vehicles' pulse signal position varies by vehicle type.
- ※ In case speed detector is not properly connected as stated, display screen remains active while driving, and it may cause serious incidents.
- ※ Any incident caused by absence of speed detector will be responsibility of users or drivers. Manufacturer will not be responsible for the consequences at any degree.

## Installation of optional items

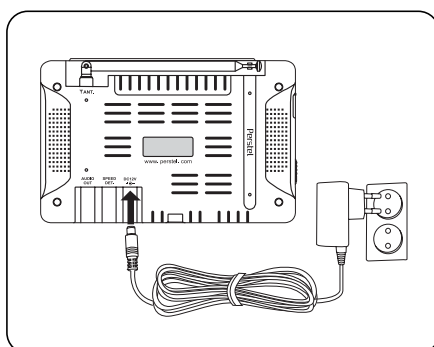
### 1. Rod antenna



Screw in the rod antenna to antenna port firmly.

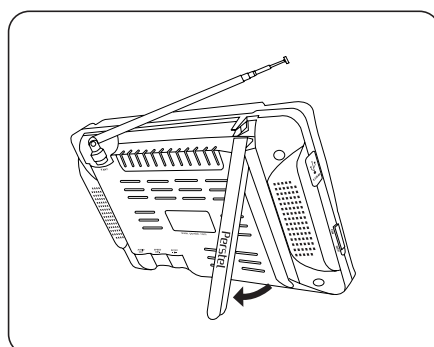
Turn on the unit, and simulate antenna position till best reception is obtained.

### 2. Indoor wall adapter



When using the product at home, please replace cigar lighter charger with indoor wall adapter like above diagram.

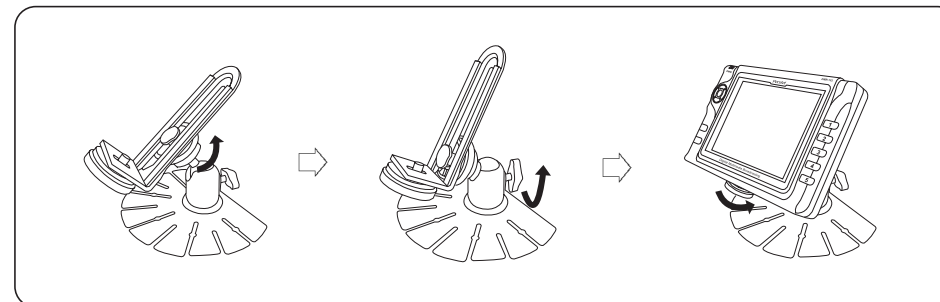
### 3. Support bar



When using on table, unfold the support bar from the rear, and stretch it to convenient angle.

### 4. On-dash mounting bracket

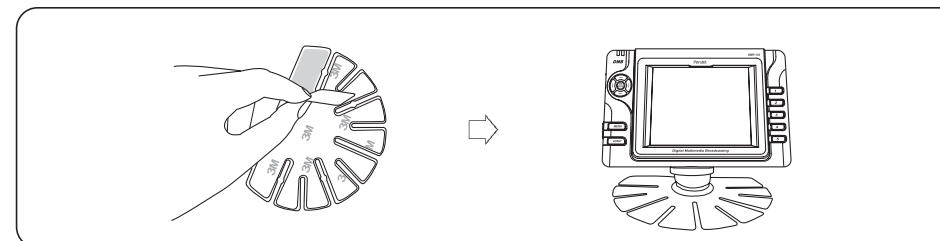
On-dash mounting bracket works more stable than on-glass mounting bracket. It is matter of choice and matter of convenience.



Insert connection joint in the set bracket rail, and screw it tight.

Unscrew rear screw to adjust angle. Fasten the rear screw when the adjust is done.

Place the DMR132 on the set bracket and fasten locking screw.

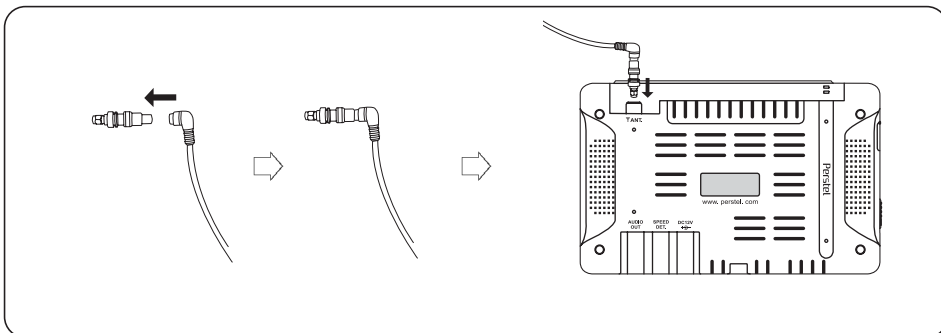


Before placing the whole set of unit, please clean up mounting floor. Peel off protection vinyl from adhesive tape when ready.

Place the whole set on the floor (on dash board or else), and make sure adhesive tape hold the set firmly.

## 5. Indoor antenna cable & adapter

Depending on country and broadcast system, indoor antenna cable & adapter set enables users to watch DMB using TV antenna.

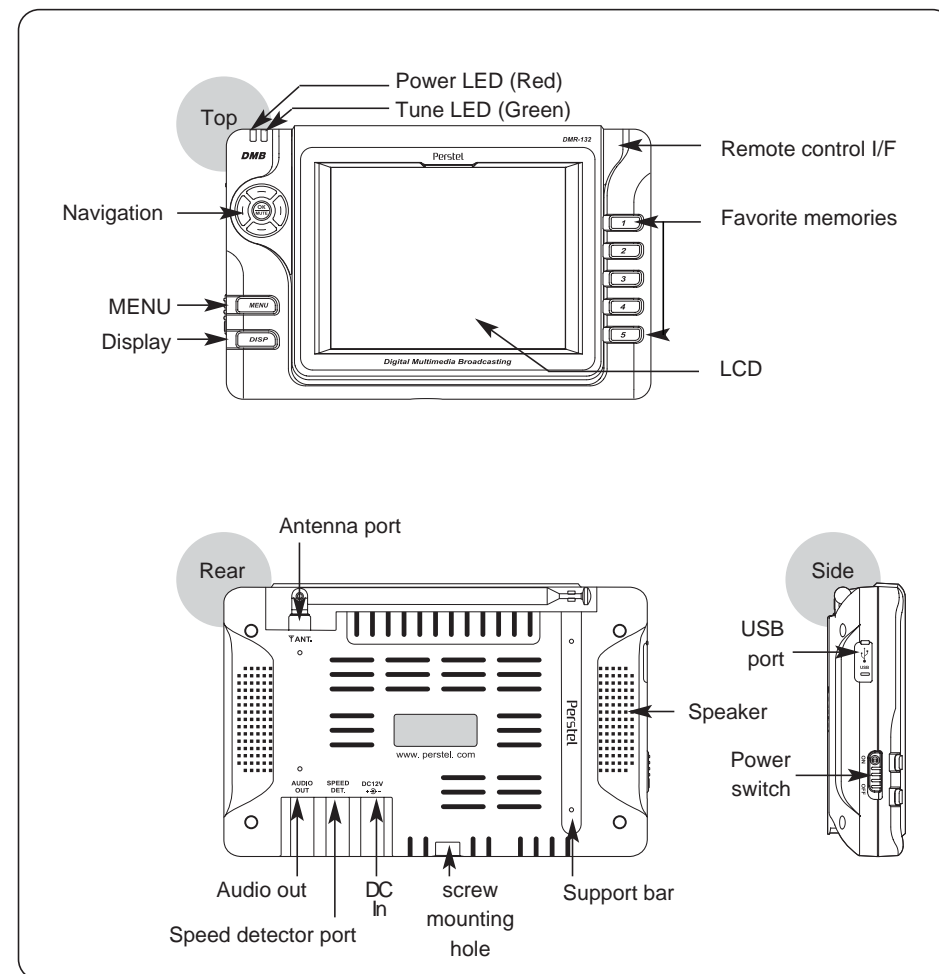


Plug in antenna adapter to one end of antenna cable.

Plug in and screw the antenna adapter to DMR132 ANT port. Another end of antenna cable is for wall TV antenna socket. Plug it gently to the socket like connecting cable TV antenna.

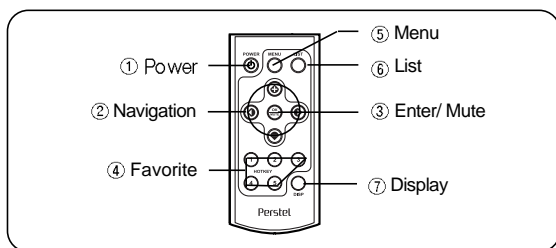
※ Indoor antenna & adapter is designed for those who use normal TV antenna system. Please check TV system before purchase of this accessory.




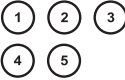



## Controls diagram



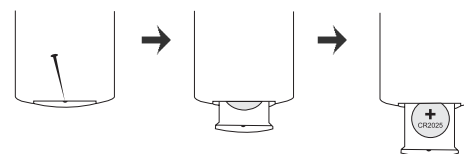
※ USB port is only for upgrading system software in the future. Please consult with local dealer or manufacturer for upgrade.

### Functionality of remote controller



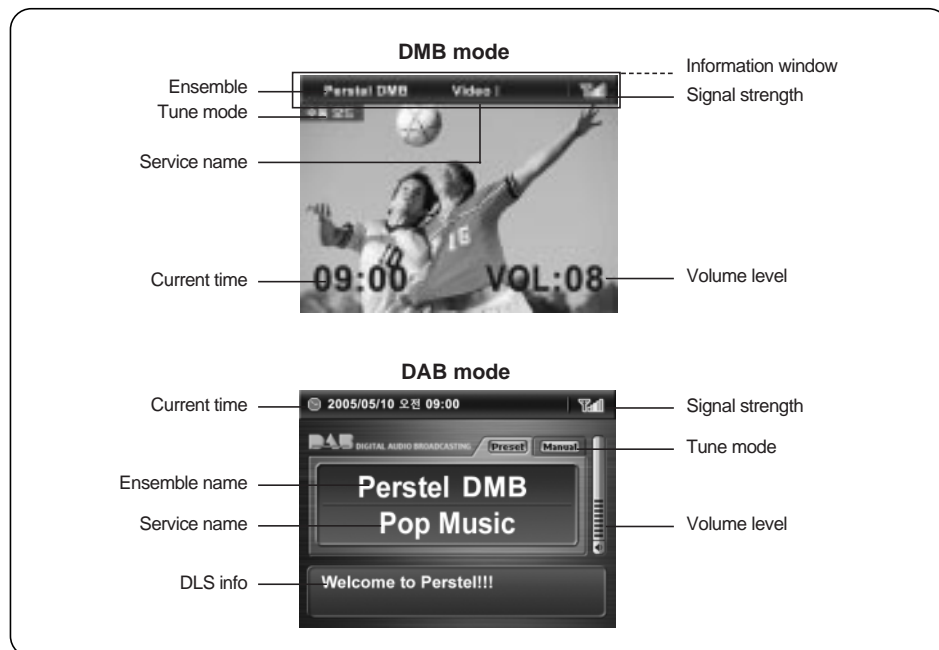
	<b>① Power</b> Turn on and off of DMR132.
	<b>② Navigation</b> Up/Down - For volume control, or scroll up and down the menu in menu mode. Left/Right - For service change while receiving signal, or entering or escaping menu in menu mode.
	<b>③ OK/ Mute</b> Menu mode- For confirming Selection. Long key when receiving - Current service will be saved in preset list. (Press it for more than 3 seconds.) Short key when receiving -Audio will be muted.
	<b>④ Favorites</b> Press to instantly access to saved favorite memories. While receiving services, press it (1 ~ 5) and hold to store or overwrite favorite memory.
	<b>⑤ Menu</b> Enter the menu or escape the menu.
	<b>⑥ List</b> Shows preset list or hides the list.
	<b>⑦ Display</b> Shows information of current service.

### • Battery replacement (Remote controller)

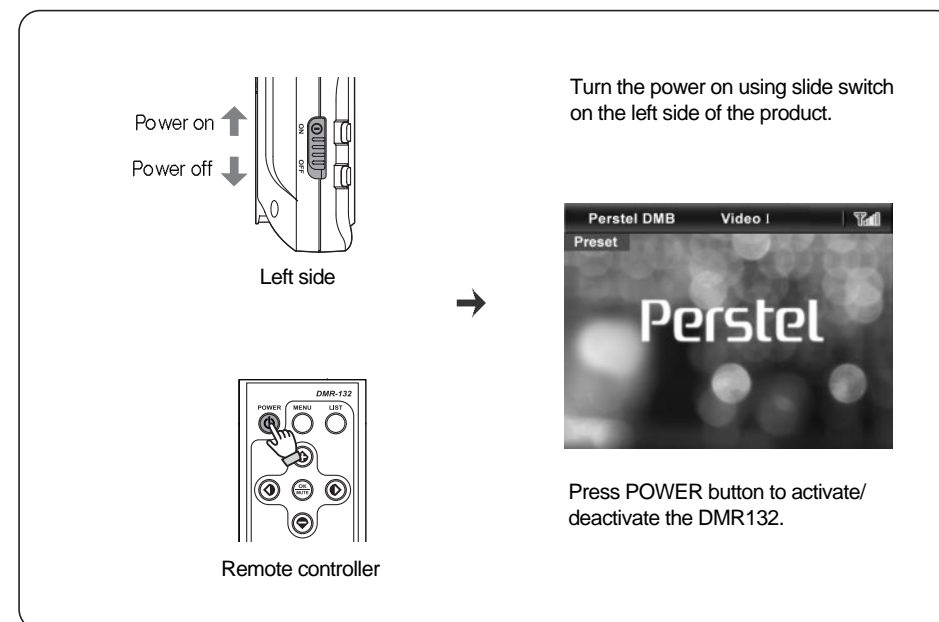


Open the battery compartment by using tiny pin, and replace battery following polarity indication. Slide battery compartment back to original position.

### LCD indicator



### Power on



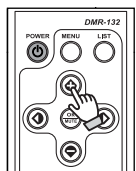
※ To use remote controller, please keep main power switch (slide switch on the left side of DMR132) "ON" at all times.

Volume control

•DMB mode



Press up button to raise volume level.

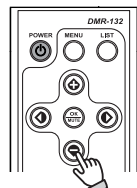


Press up button to raise volume level.

•DAB mode



Press down button to lower volume level.

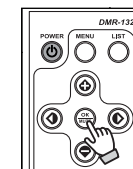


Press down button to lower volume level.

Mute/ Unmute



Press Mute button shortly to mute audio. To unmute audio, press mute button again, or adjust volume button.

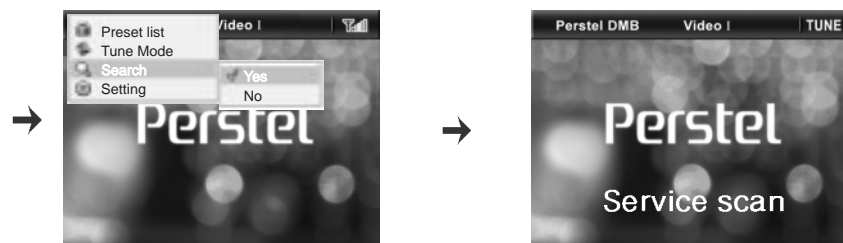


**Service scan**

For the first time use, it is highly recommended to run a "Service Scan". Service scan finds and saves entire DMB services available at the location. To get better signal reception, run "Service Scan" at wide open area.



Press menu button, and use up/down button to move to [Service scan].



Press OK button to enter sub-menu, and select "Yes" to start service scan.



When service scan completes, tune mode automatically turns to Preset.

- ※ Service scan takes a while. Please be patient till it completes.
- ※ Services found from service scan are automatically stored in service list.
- ※ Service list will not be generated when no DMB service is available.
- ※ Press any key to stop service scan while in process.

**Preset tune mode**

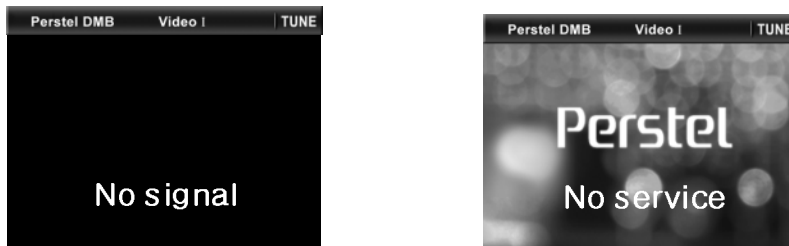
Preset mode enables users to tune to DMB services out of service list generated from service scan.



To change tuning mode, press MENU, and move to [Tune mode] → [Preset] and press OK to confirm selection.



DMR132 tunes to other services if left or right button is pressed while a service is being broadcasted.

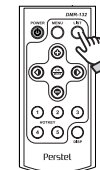


If selected service is at very weak signal area and therefore no reception is made, "No signal" message will be displayed.

If selected service is at strong signal area but service is temporarily out, "No service" message will be displayed.



If you wish to select a service from service list, press MENU → [Service List] → up and down to select desired service → Press OK to confirm selection



Press [LIST] button to bring up service list. Scroll the list using up/ down button and press [OK] button to confirm selection of desired service.

※ This function works only when tune mode is set at Preset.

#### Adding service to service list



Tune to a certain service that you wish to add to service list.  
Press and hold [OK/MUTE] button for more than 1 second.  
Current service is added to service list.

※ This function is available when tune mode is set to Manual.

#### Deleting service from service list



1. Bring up service list and move to the service that you wish to delete.
2. Press and hold [OK] button for more than 1 second.
3. Selected service will be deleted from service list.

**Manual tune mode**

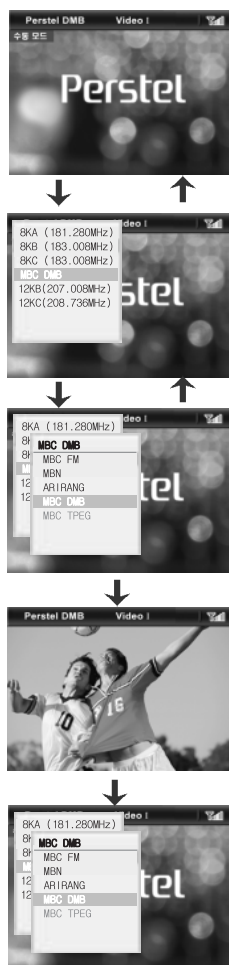
When a certain ensemble frequency is known, it would be convenient to move to that ensemble and tune to its services at Manual tune mode. To direct to that ensemble, please firstly change tune mode to [Manual].

Ensemble chart appears when right button is pressed. Scroll up and down by up/ down button and press [OK] button to confirm selection.

When DAB/ DMB signal exists, tune LED stays green and service window is active.

Scroll up/down to a desired service and press [OK] button to tune to it.  
Service window closes when service is tuned.

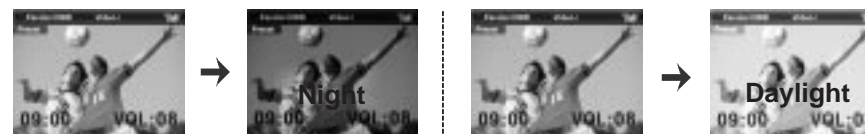
To move to other service, press right button, then service window will be active.  
Scroll up/down to a desired service and press [OK] button to select new service.



When service list is displayed, press left button to return to ensemble list.

**Display**

DISP (Display) button enables to show service information – ensemble, service name, signal strength, current time and volume level.



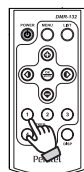
DISP also enables to switch brightness between "Daylight" and "Night" when service information is active.



DISP shuts off screen when pressed and held for more than 1 second. To bring the screen back, press and hold DISP button again. Audio remains whether of not the screen shuts off.

## Favorite services

Favorite services can be stored at and restored from (1) (2) (3) (4) (5) for instant access.



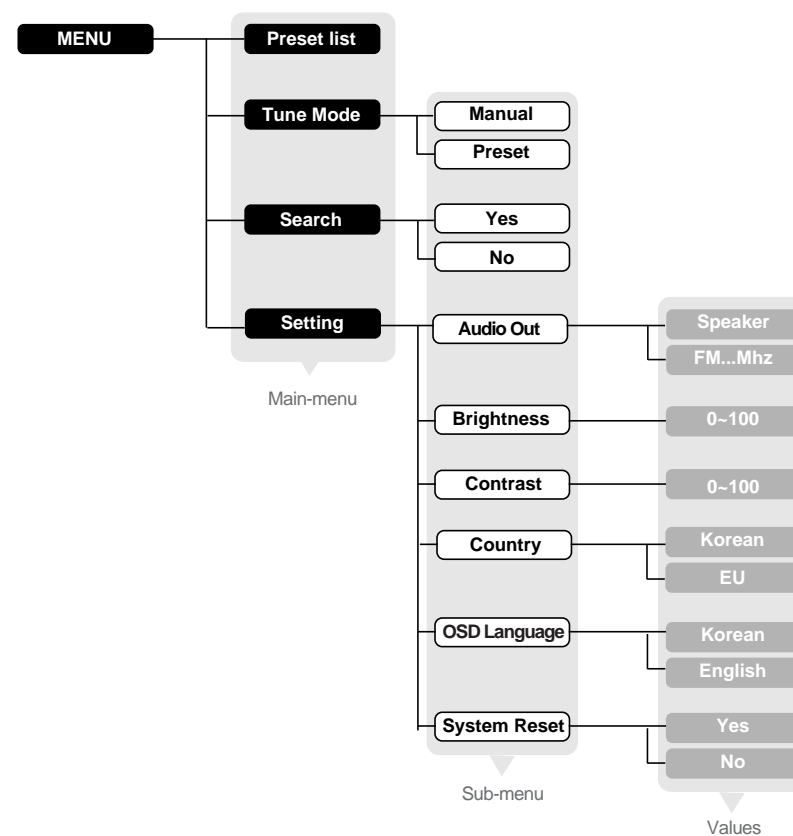
To store current service to favorite service memory, press and hold favorite number until "Favorite (1) saved" message is displayed.

To restore favorite service, press favorite number.

## Menu

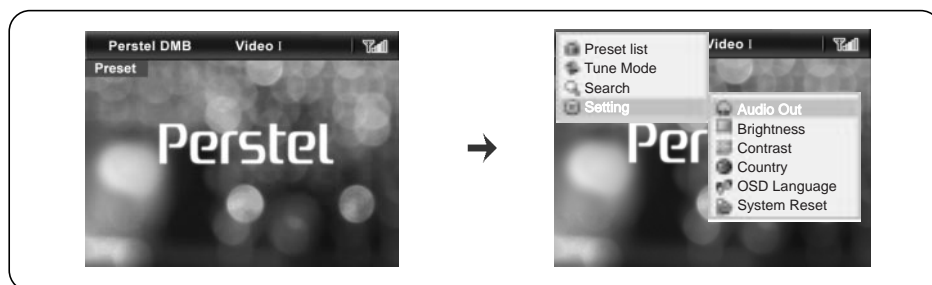
1. Press [MENU] button to enter menu.
2. Scroll the menu using up/down buttons and press [OK] button to enter sub-menu.
3. For sub-menu to set values, use up/down to set value and press [OK] button to finish setting.
4. To exit menu by step by step, press [MENU] at any time in menu mode.

## MENU TREE

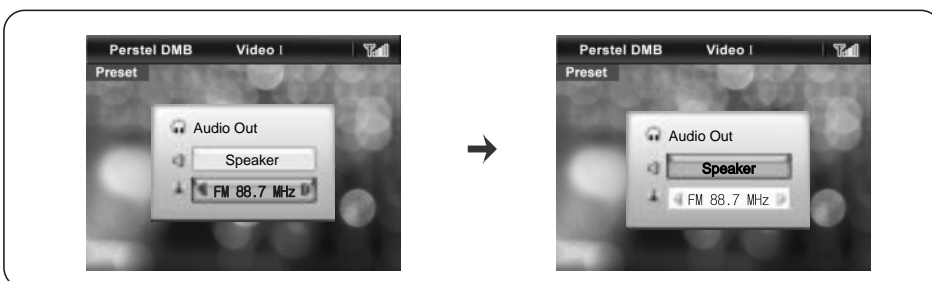


### Audio output with FM transmitter

DMR132 is designed to transmit audio output to vehicle audio system using FM transmitter. One of the following FM frequencies carries DMB audio to vehicle audio system. Be sure to keep the FM radio on, and choose unoccupied frequency.



To use FM transmitter, press [MENU] → [Setting] → [Audio output] → and press [OK].  
- Press [MENU] → [Setting] → [Language] → select language, and press [OK] to set the change.



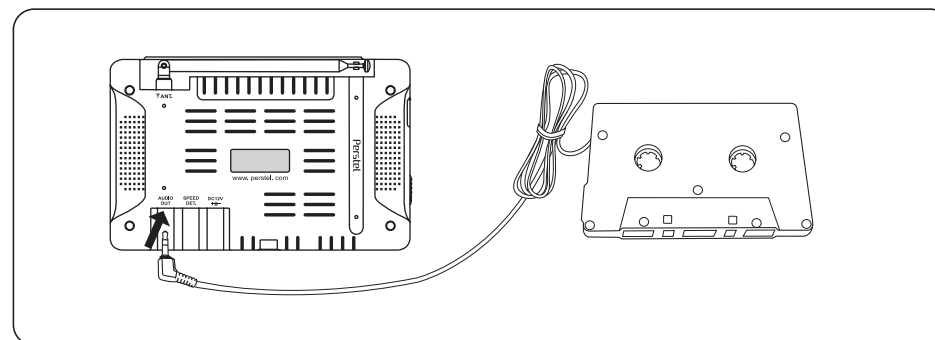
Scroll down to [FM], and simulate FM frequencies using left/ right button.  
When the frequency is set, press [OK] to confirm setting.

To switch back audio output to built-in stereo speaker, choose [Speaker] and press [OK] to confirm change.

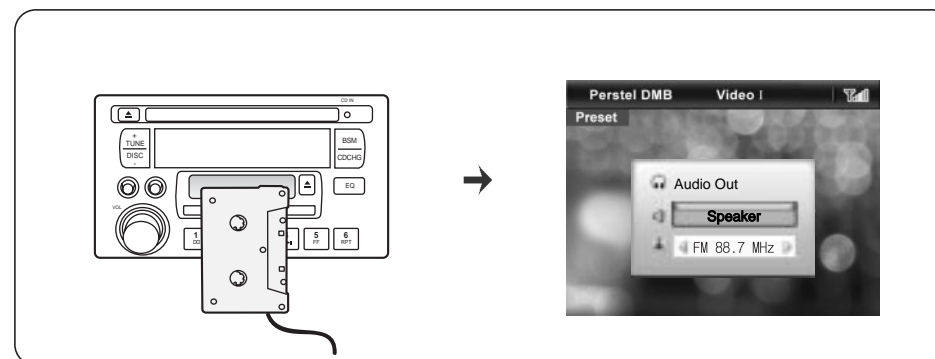
- ※ Factory default setting is "Speaker" as audio output.
- ※ Depending on terrain, FM transmitter may carry large amount of noise. Please try other frequency.

### Car pack audio connector

Car pack audio connector delivers better quality of audio to vehicle audio system. Make sure that your vehicle has built-in cassette tape deck before purchase this accessory.



Insert 3.5mm audio jack to Audio OUT port positioned rear of the product.

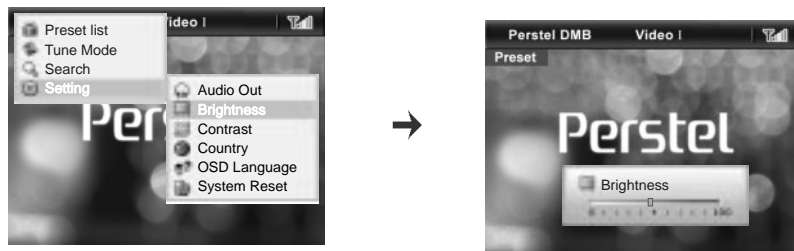


Insert car pack in the cassette tape deck.  
Turn on the vehicle audio system, and adjust volume level like using cassette tape.

Audio output has to be set "Speaker".

### Brightness & Contrast control

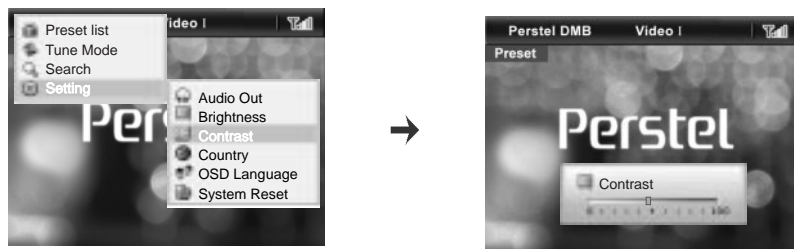
If you wish to adjust entire brightness of the screen, please do followings.



Press [MENU] → [Setting] → [Brightness], and press [OK] to enter value setting menu.

Press left/ right button to adjust brightness. Brightness can be set any value between 0 to 100. Press [OK] when value setting is done.

Please do the followings if you wish to adjust color contrast.



Press [MENU] → [Setting] → [Contrast], and press [OK] to enter value setting menu.

Press left/ right button to adjust contrast level. Contrast can be set any value between 0 to 100. Press [OK] when value setting is done.

### Country setting

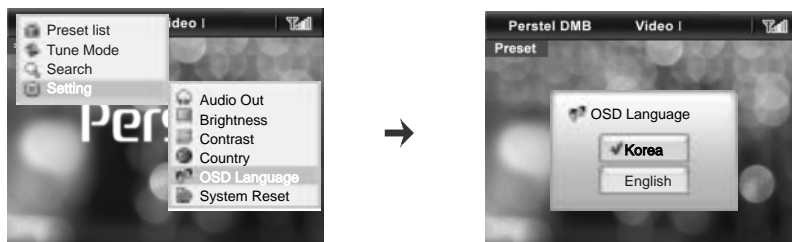
DAB/DMB frequency is not all the same per country. When country setting changes, frequency band and reception area changes accordingly. Check region before running "Service scan".



To change country setting, press [MENU] → [Setting] → [Country] → select country, and press [OK].

**Language setting**

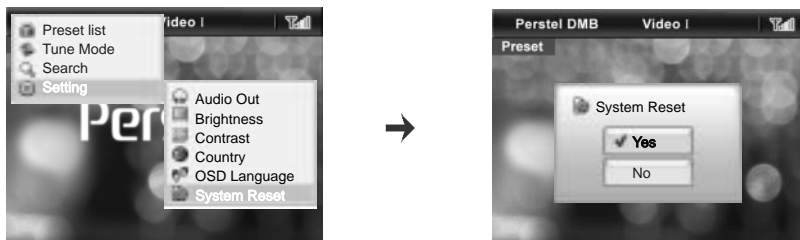
Do the followings to set message and menu language.



Press [MENU] → [Setting] → [Language] → select language, and press [OK] to set the change.

**System reset**

“System reset” clears the entire user settings, and brings back factory default setting.



For system reset, press [MENU] → [Setting] → [System reset] → [Yes], and press [OK].

※ System reset takes a while. Please wait till it completes.

**Product specifications**

	Specifications
<b>Model</b>	DMR132VM ( L- Band Option )
<b>Frequency</b>	BAND-III : 174MHz ~ 240MHz
<b>Technical standards</b>	Europe : ETSI EN 300 401 Korea: TTAS.KO-07.0024 TTAS.KO-07.0026
<b>Sensitivity</b>	Better than -96dBm @ BER = 1 x 10 <sup>-4</sup>
<b>Video decoding</b>	MPEG-4 / H.264
<b>Audio decoding</b>	MUSICAM & MPEG4/BSAC
<b>Video output</b>	5" TFT LCD ( CCFL Back Light )
<b>Audio output</b>	2" stereo speaker system (1.5W + 1.5W) Audio out (3.5mm) 400mW @16ohm S/N: better than 85dB Distortion: Better than 0.15%
<b>Interface</b>	Antenna: SMA 50ohm Speed detector: 3.5mm, TTL Pulse Power: +12V DC
<b>Power source</b>	12VDC (Adapter or cigar lighter charger)
<b>Dimension (WHD)</b>	175 x 110 x 29 (mm)
<b>Weight</b>	430 (g)